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ADDENDUM TO "RINGS WHOSE MODULES HAVE MAXIMAL SUBMODULES"

Carl Faith

A ring R is *right max* if every nonzero right R-module has a maximal submodule. In [**F1**] the author stated several open problems regarding right max rings.

Let E be the minimal injective cogenerator of mod-R, and let $\Lambda = \mathrm{End}(E_R)$ be its endomorphism ring.

(1) If Λ is right max, is R?

(2) If R is right max, is Λ?

Recently, Xue [**X**] answered (1) in the affirmative, and (2) in the negative. He also appended several typos in [**F1**], which we list here for the convenience of the readers of *Publicacions Matemàtiques*.

Corrections to [F1]

(C1) p. 202, l. 6: replace "iff" by "only if". For a perfect local ring R the unique simple module E has the stated property but does not cogenerate mod-R unless R is a field.

(C2) p. 203, footnote: "semi-Artinian" should be "Artinian". (A 2-sided perfect ring R is semi-Artinian and Hamsher but need not be Noetherian.)

(C3) p. 212, l. 10–11: "right and left Artinian" should be "right Artinian" for a right Morita duality, and left Artinian for a left Morita duality, since a right Artinian ring with a right Morita duality need not be left Artinian. (See [**T**, p. 32, Theorem 3.7 and p. 37].)

(C4) p. 214, l. 11: "**4** (1966), 373–387" ought to be "**16** (1970), 60–66".

(C5) p. 203, **First and Second Max Theorem**: add Renault [**R**] to the cited references [**H**], [**K**].

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Remarks. (1) As Xue [**X**] remarks, these corrections in no way affect the results of [**F1**].

(2) The Abstract [**F3**] listed in [**F1**] has since appeared as [**F2**] below.

References

[F1] C. FAITH, Rings whose modules have maximal submodules, *Publ. Mat.* **39** (1995), 201–214.

[F2] C. FAITH, Locally perfect commutative rings are those whose modules have maximal submodules, *Comm. Algebra* **23** (1995), 4885–4886.

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Rutgers University
Department of Mathematics
New Brunswick, NJ 08903
U.S.A.

Author Permanent Address:
199 Longview Drive
Princeton, NJ 08540
U.S.A.

e-mail: carlfaith@aol.com

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